

CONTOUR STRAW WATTLES

1. SCOPE

The work shall consist of laying and anchoring straw-filled tubes made of jute, nylon, or other photo-degradable materials on the contour across the slope. The tubes shall be 9 to 12 inches in diameter filled with compressed, weed-free straw. The individual tubes will be 20 to 25 feet in length. The wattles are placed on the contour to intercept water flowing down the slope and trap the sediments being moved with the water.

2. MARKING

The limits of the area where contour wattles will be used will be marked by means of stakes, flags, tree marking or other suitable methods.

3. SAFETY

After a fire many trees are weakened from burning around the base of the trunk. These trees can fall over or blow down without warning. Therefore, be extremely alert when working in areas around burned trees.

4. SPACING

Wattles should be spaced no further than 20 feet apart for slopes 50 percent or greater. For slopes less than 50 percent, the wattles should be spaced as shown in Table 1 on the drawings. The wattle tubes placed along the slopes shall not extend across drainage paths.

5. PLACEMENT

A shallow depression trench 3 to 5 inches deep should be formed, and the wattle placed into the trench. Soils placed on the uphill side of the wattle should be foot tamped into place. Wattles are to be anchored with 1" x 2" or 2" x 2" wooded stakes 18 to 24 inches in length. These shall be placed roughly every 5 feet along the length of the wattle. Stakes shall be driven in perpendicular to the slope.

6. SPECIAL PROVISIONS

Special provisions will be attached to this construction specification as appropriate which define site specific details.

7. MEASUREMENT AND PAYMENT

For items of work for which specific unit prices are established, each item will be measured to the nearest foot of installed wattles. Payment will be made at the agreed to unit price for that item. Such payment will constitute full compensation for all labor, equipment, tools, and materials necessary and incidental to the completion of the work.